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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. Patent No. 5,778,187 to Attorney Docket No.: 8850-003  
Monteiro et al.

Issued: July 7, 1998

For: MULTICASTING METHOD AND  
APPARATUS

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR § 1.322

Assistant Commissioner for Patents  
Attn: Certificate of Corrections Branch  
Washington, D.C. 20231

Sir:

CERTIFICATE

JAN 29 1999

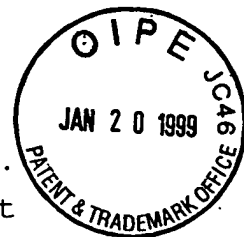
OF CORRECTION

APPROVED  
May 16 1999  
FOR THE COMMISSIONER OF PAT. & T.M.

The patentee hereby respectfully requests the issuance of a Certificate of Correction in connection with the above-identified patent containing the changes listed on PTO Form- 1050 attached hereto.

The requested changes (as reproduced below) will correct typographical errors that were made by the Patent Office in printing the patent application for issue. Accordingly, correction of these errors is requested under 35 U.S.C. § 254 and 37 C.F.R. § 1.322.

As indicated in the attached form PTO-1050, at column 1, line 18: change "pointto-point" to --point-to-point--. The phrase was correctly spelled in applicant's specification at page 1, lines 17-18.



At column 4, line 44: change "VAULTNFS" to --VAULT-NFS--.  
The term was correctly spelled in applicant's specification at  
page 7, lines 21-22.

In claim 1, line 31: change "Rackets" to -packets-. The  
term was correctly spelled in applicant's amendment dated  
November 24, 1997.

In claim 24, line 20: change "he" to -the-. The term was  
correctly spelled in applicant's originally presented claim 23.

In claim 33, line 50: change "Rackets" to -packets-. The  
term was correctly spelled in applicant's amendment dated  
November 24, 1997.

Finally, in claim 42, line 19: change "cntent" to -content-.  
The term was correctly spelled in applicant's originally  
presented claim 33.

No fee is believed to be due in connection with this filing.  
However, should any fees be required, please charge such fees to  
Pennie & Edmonds LLP deposit account no. 16-1150.

Respectfully submitted,

ANDREW SANDERS  
REG. NO. 40,433

Date: January 19, 1999

FOR FRANCIS E. MORRIS 24,615  
Francis E. Morris (Reg. No.)

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# UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

**PATENT NO.** : 5,778,187  
**DATED** : July 7, 1998  
**INVENTOR(S)** : Monteiro et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1, line 18: change "pointto-point" to --point-to-point--.

Column 4, line 44: change "VAULTNFS" to --VAULT-NFS--.

Claim 1, line 30: change "Rackets" to -packets-.

Claim 24, line 67: change "he" to -the-.

Claim 33, line 50: change "Rackets" to -packets-.

Claim 42, line 19: "cntent" to -content-.

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UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 5,778,187  
DATED : July 7, 1998  
INVENTOR(S) : Monteiro et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1,

Lines 20, 23, 24 and 43, "which", each occurrence, should read -- that --;  
Line 32, "capability analogous" should read -- capability, analogous --;  
Line 34, "nodes are" should read -- nodes, is --;  
Line 59, "1458 which" should read -- 1458, which --.

Column 2,

Lines 32 and 47, "which", each occurrence, should read -- which: --

Column 3,

Lines 12, 15, 20, 24, 25 and 26, "which", each occurrence, should read -- that --;  
Line 21, "at a major points" should read -- at major points --.

Column 4,

Line 8, "which" should read -- that --.

Column 5,

Lines 36 and 41, "which", each occurrence, should read -- that --;  
Line 63, change "dynamic, Users" to -- dynamic; Users --.

Column 6,

Line 2, "which" should read -- that --.  
Line 25, begin new paragraph at the sentence beginning with "Multicasting".  
Line 39, "to a multicast" should read -- to multicast --.  
Line 46, begin new paragraph at the sentence beginning with "Thus".  
Lines 50 and 65, "which", each occurrence, should read -- that --.

Column 7,

Line 17, "which" should read -- that --;  
Line 18, "monitor" should read -- monitors --;  
Line 26, "audiostream" should read -- audio stream --.

Column 8,

Line 5, "36 which" should read -- 36, which --.

Column 13,

Line 13, "invoke it which" should read -- invoke it, which --;  
Line 62, "ask" should read -- asks --.

UNITED STATES PATENT ~~AND~~ TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 5,778,187  
DATED : July 7, 1998  
INVENTOR(S) : Monteiro et al.

Page 2 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 15.

Line 33, "Server validates" should read -- Server, validates --;

Line 34, "generate" should read -- generates --.

Column 16.

Line 26, "and will then" should read -- and then --;

Line 46, "Server are" should read -- Server, are --.

Column 18.

Line 11, Table 3, "infirmination" should read -- information --.

Signed and Sealed this

Sixth Day of May, 2003

A handwritten signature in black ink, appearing to read "James E. Rogan", with a horizontal line drawn underneath it.

JAMES E. ROGAN  
*Director of the United States Patent and Trademark Office*

# UNITED STATES PATENT AND TRADEMARK OFFICE

## CERTIFICATE OF CORRECTION

76 10F2

PATENT NO. : 5,778,187  
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1, lines 20, 23, 24, and 43, "which", each occurrence, should read --that--; line 32, "capability analogous" should read --capability, analogous--; line 34, "nodes are" should read --nodes, is--; line 59, "1458 which" should read --1458, which--.

Column 2, lines 32 and 47, "which", each occurrence, should read --which:--.

Column 3, lines 12, 15, 20, 24, 25, and 26, "which", each occurrence, should read --that--; line 21, "at a major points" should read --at major points--.

Column 4, line 8, "which" should read --that--.

Column 5, lines 36 and 41, "which", each occurrence, should read --that--; line 63, change "dynamic, Users" to --dynamic; Users--.

Column 6, line 2, "which" should read --that--.

Column 6, line 25, begin new paragraph at the sentence beginning with "Multicasting".

Column 6, line 39, "to a multicast" should read --to multicast--.

Column 6 line 46, begin new paragraph at the sentence beginning with "Thus".

Column 6, lines 50 and 65, "which", each occurrence, should read --that--.

Column 7, line 17, "which" should read --that--; line 18, "monitor" should read --monitors--; line 26, "audiostream" should read --audio stream--.

Column 8, line 5, "36 which" should read --36, which--.

Column 13, line 13, "invoke it which" should read --invoke it, which--; line 62, "ask" should read --asks--.

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Page 2 of 2

Column 15, line 33, "Server validates" should read --Server, validates--; line 34, "generate" should read --generates--.

Column 16, line 26, "and will then" should read --and then--; line 46, "Server are" should read --Server, are--.

Column 18, line 11, Table 3, "infirmination" should read -- information--.

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FORM PTO 1050\*

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